Pioneer *sound.vision.soul*

5.1ch Surround System

HTP-GS1

SX-X360	Audio Multi-channel Receiver Subwoofer
S-X360	Speaker System

Discover the benefits of registering your product online at **www.pioneer.co.uk** (**www.pioneer-eur.com**).

Operating Instructions

IMPORTANT

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

D3-4-2-1-1_En-A

WARNING

This equipment is not waterproof. To prevent a fire or shock hazard, do not place any container filed with liquid near this equipment (such as a vase or flower pot) or expose it to dripping, splashing, rain or moisture. D3-4-2-1-3_A_En

WARNING

Before plugging in for the first time, read the following section carefully.

The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where this unit will be used meets the required voltage (e.g., 230V or 120V) written on the rear panel. D3-4-2-1-4_A_En

WARNING

To prevent a fire hazard, do not place any naked flame sources (such as a lighted candle) on the equipment. D3-4-2-1-7a_A_En

Operating Environment

Operating environment temperature and humidity: +5 ºC to +35 ºC (+41 ºF to +95 ºF); less than 85 %RH (cooling vents not blocked)
Do not install this unit in a poorly ventilated area, or in locations exposed to high humidity or direct sunlight (or strong artificial light) D3-4-2-1-7c_A_En

This product is for general household purposes. Any failure due to use for other than household purposes (such as long-term use for business purposes in a restaurant or use in a car or ship) and which requires repair will be charged for even during the warranty period. K041_En

This product complies with the Low Voltage Directive (73/23/EEC, amended by 93/68/EEC), EMC Directives (89/336/EEC, amended by 92/31/EEC and 93/68/EEC). D3-4-2-1-9a_En

If the AC plug of this unit does not match the AC outlet you want to use, the plug must be removed and appropriate one fitted. Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel. If connected to an AC outlet, the cut-off plug can cause severe electrical shock. Make sure it is properly disposed of after removal.
The equipment should be disconnected by removing the mains plug from the wall socket when left unused for a long period of time (for example, when on vacation). D3-4-2-2-1a_A_En

CAUTION
The ⏻ STANDBY/ON switch on this unit will not completely shut off all power from the AC outlet. Since the power cord serves as the main disconnect device for the unit, you will need to unplug it from the AC outlet to shut down all power. Therefore, make sure the unit has been installed so that the power cord can be easily unplugged from the AC outlet in case of an accident. To avoid fire hazard, the power cord should also be unplugged from the AC outlet when left unused for a long period of time (for example, when on vacation). D3-4-2-2-2a_A_En

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause a fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement. S002_En

Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.

IMPORTANT: THE MOULDED PLUG

This appliance is supplied with a moulded three pin mains plug for your safety and convenience. A 5 amp fuse is fitted in this plug. Should the fuse need to be replaced, please ensure that the replacement fuse has a rating of 5 amps and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark or the BSI mark on the body of the fuse.

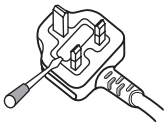
If the plug contains a removable fuse cover, you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained. A replacement fuse cover can be obtained from your local dealer.

If the fitted moulded plug is unsuitable for your socket outlet, then the fuse shall be removed and the plug cut off and disposed of safely. There is a danger of severe electrical shock if the cut off plug is inserted into any 13 amp socket.

If a new plug is to be fitted, please observe the wiring code as shown below. If in any doubt, please consult a qualified electrician.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:
Blue : Neutral Brown : Live
As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows ;

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter **N** or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal which is marked with the letter **L** or coloured RED.



How to replace the fuse: Open the fuse compartment with a screwdriver and replace the fuse.

D3-4-2-1-2-2_B_En

If you want to dispose this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling.

Private households in the 25 member states of the EU, in Switzerland and Norway may return their used electronic products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one).

For countries not mentioned above, please contact your local authorities for the correct method of disposal.

By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health.

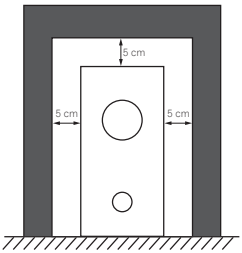
K058_En

VENTILATION CAUTION

When installing this unit, make sure to leave space around the unit for ventilation to improve heat radiation (at least 5 cm at top, 5 cm at rear, and 5 cm at each side).

WARNING

Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered with items (such as newspapers, table-cloths, curtains) or by operating the equipment on thick carpet or a bed. **D3-4-2-1-7b_A_En**



Receiver subwoofer

What's in the box

Please confirm that the following items are all supplied.

Receiver subwoofer (SX-X360) box:

- Remote control (page 14)
- AA/LR6 alkaline batteries (page 15)
- Display unit (page 13)
- Stand for display x 2 (page 10)
- Power cord (page 11)
- AM loop antenna (page 9)
- FM wire antenna (page 9)
- Display cable (page 9)
- Optical cable (page 9)
- Microphone (for Auto MCACC setup) (page 16)
- These operating instructions
- Warranty card

Speakers (S-X360) box:

- Speakers (front x 2, surround x 2, center x 1) (page 6)
- Non-skid pads (small) x 12 (page 6)
- Non-skid pads (large) x 4 (page 6)
- Mounting Brackets x 4 (page 8)
- Screws (for mounting brackets) x 4 (page 8)
- Speaker cables x 5 (page 10)

Thank you for buying this Pioneer product.

Please read through these operating instructions so that you will know how to operate your model properly. After you have finished reading the instructions, put them in a safe place for future reference.

Contents

What's in the box 4

01 Speaker Setup Guide

Safety precautions when setting up 6
Home theater sound setup 6
  Standard surround setup 6
  Front surround setup 7
Wall mounting the front and surround speaker system 8
  Attaching the brackets 8
  Before mounting 8
Additional notes on speaker placement 8

02 Connecting up

Basic connections 9
Using this system for TV audio 12

03 Controls and displays

Display unit 13
  Display 13
Remote control 14
Using the remote control 15
Putting the batteries in the remote control 15

04 Getting started

System demo setting 16
Using the Auto MCACC setup for optimal surround sound 16

05 Listening to your system

Auto listening mode 18
Listening in surround sound 18
  Dolby Pro Logic II Music settings 18
Using Front Surround 19
Using Advanced Surround 19
Listening in stereo 19
Using the Sound Retriever 20
Listening with Acoustic Calibration EQ 20
Enhancing dialogue 20
Using Quiet and Midnight listening modes 20
Adjusting the bass and treble 20
Boosting the bass level 21

06 Listening to the radio

Listening to the radio 22
  Improving poor FM reception 22
  Improving poor AM sound 22
  Memorizing stations 22
  Listening to station presets 22
Using RDS 23
  Displaying RDS information 23
  Searching for RDS programs 23

07 Surround sound settings

Using the Setup menu 24
  Channel level setting 24
  Speaker distance setting 24
  Dynamic Range Control 24
  Dual mono setting 25
Adjusting the channel levels using the test tone 25

08 Other connections

Connecting auxiliary components 26
  Connecting an analog audio component 26
Listening to an external audio source 26
Connecting external antennas 26
Using this unit with a Pioneer plasma display 27
  SR+ Setup for Pioneer plasma displays 27
  Using the SR+ mode with a Pioneer plasma display 28
About the control out jack 28

09 Additional information

Setting the sleep timer 29
Dimming the display 29
DTS CD setting 29
Resetting the system 29
Installation and maintenance 29
  Hints on installation 29
Glossary 30
Setting up the remote to control your TV 30
  Using the TV remote control buttons 31
  Preset code list 31
Troubleshooting 32
  General 32
  Tuner 33
  Error Messages 33
Specifications 34

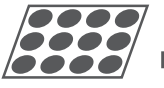
Chapter 1
Speaker Setup Guide

Safety precautions when setting up

When assembling the speakers, lay them down flat on their side to avoid accidents or injury. Make sure to use a stable surface when assembling, setting up, and placing the speakers.

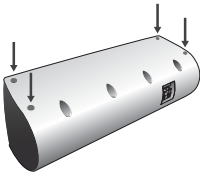
- **Attach the smaller non-skid pads to the base of each of the front speakers and the center speaker. The four large non-skid pads are for the receiver subwoofer (as shown).**

Use the supplied adhesive to attach 4 pads to the base (flat surface) of each speaker.



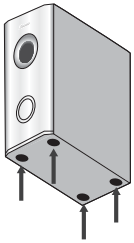
Non-skid pads (small) x 12

Front speakers



Center speaker

Non-skid pads (large) x 4



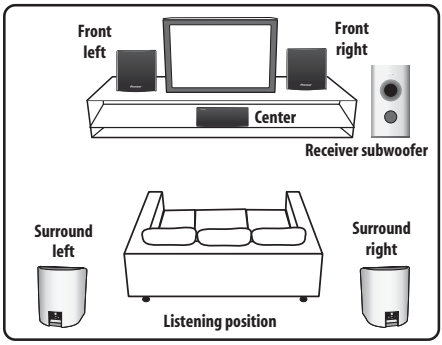
Receiver subwoofer

Home theater sound setup

Depending on the size and characteristics of your room, you can place your speakers in one of two ways using this system:

Standard surround setup

This is a standard multichannel surround sound speaker setup for optimal 5.1 channel home theater sound. Use this setup together with *Auto listening mode* on page 18 or other listening mode.



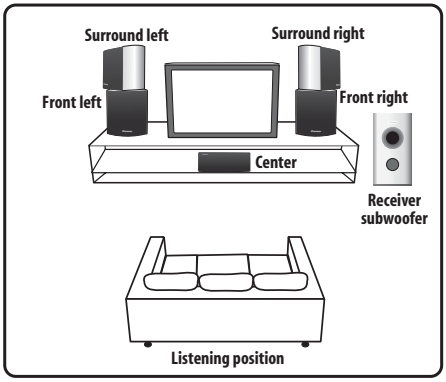
- **Connect the speaker system.**

Refer to *Connecting up* to connect the speakers properly. After connecting everything, place the speakers as shown in the diagram (above) for optimal surround sound.

After placing the speakers, run the Auto MCACC setup (page 16) to complete your surround sound setup.

Front surround setup

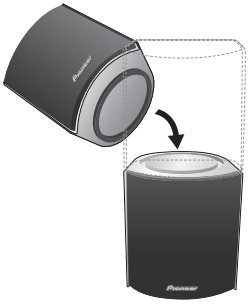
This setup is ideal when rear surround speaker placement isn't possible or you want to avoid running long speaker cables in your listening area. Use this setup together with the Front Surround modes in page 19 to take advantage of wall and ceiling reflections for a very realistic surround effect.



1 Connect the speaker system.

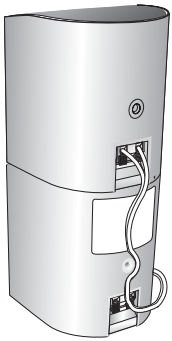
Refer to *Connecting up* to connect the speakers properly. After connecting everything, place the speakers as shown in the diagram (above) for optimal surround sound.

The base of each surround speaker fits into the circular groove on the top of the front speakers as shown.



2 Secure the speaker wire.

After testing for the slack necessary to turn the speaker (see the following step), use the groove provided to secure the speaker wire as shown. Leave 5 cm of slack from the speaker terminals so the upper (surround) speaker can turn freely.



3 Turn the surround speakers towards the closest wall, lining the arrows up for optimal Front Surround.

Turn each surround speaker so that the ▼ arrow at the base is lined up with the ▲ **FRONT SURROUND** arrow on the front speaker. This is only necessary with the **FRTMOVIE** or **FRTMUSIC** modes. With **EXTPOWER** (Extra Power), line up the ▼ arrow with the ▲ **EXTRA POWER** arrow (the surround speakers should be in the same direction as the front speakers.). See *Using Front Surround* on page 19 for more on this.

FRTMOVIE / **FRTMUSIC** **EXTPOWER**

After placing the speakers, run the Auto MCACC setup (page 16) to complete your surround sound setup.

Caution

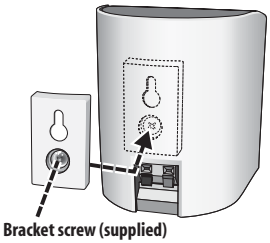
- To prevent accidents, make sure the surround speaker is placed securely on top of the front speaker.
- Please don't attach the speakers to the wall or speaker stands for Front surround setup.

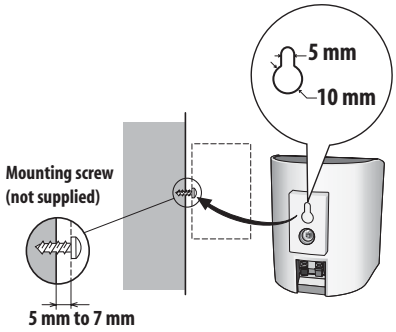
Wall mounting the front and surround speaker system

The front and surround speakers have holes for wall mounting. However, if you are using the Front Surround setup described on the previous page, do not wall mount the surround speakers.

Attaching the brackets

- Make sure to tighten the supplied screw as securely as possible when attaching the bracket to the back of the speaker.
- Please do not attach the brackets to the center speaker.





Before mounting

- Remember that the speaker system is heavy and that its weight could cause the wood screws to work loose, or the wall material to fail to support it, resulting in the speaker falling. Make sure that the wall on which you intend to mount the speakers is strong enough to support them. Do not mount on plywood or soft surface walls.
- Mounting screws are not supplied. Use screws that are suitable for the wall material and that will support the weight of the speaker.

Caution

- If you are unsure of the qualities and strength of the wall, consult a professional for advice.
- Pioneer is not responsible for any accidents or damage that result from improper installation.

Additional notes on speaker placement

- Install the main front left and right speakers at an equal distance from the TV.
- For optimum effect, install the surround speakers slightly above ear level.
- Install the center speaker above or below the TV so that the sound of the center channel is localized at the TV screen.
- When installing the center speaker on top of the TV, be sure to secure it with suitable means. Otherwise, the speaker may fall from the TV due to external shocks such as earthquakes, endangering those nearby or damaging the speaker.
- This front, center and surround speakers supplied with this system are magnetically shielded. However, depending on the installation location, color distortion may occur if the speaker is installed extremely close to the screen of a television set. If this happens, turn the power switch of the television set OFF, and turn it ON after 15 to 30 minutes. If the problem persists, place the speaker system away from the television set.
- The receiver subwoofer is not magnetically shielded and so should not be placed near a TV or monitor. Magnetic storage media (such as floppy discs and tape or video cassettes) should also not be kept close to the receiver subwoofer.

Caution

- Do not attach the center speaker or the receiver subwoofer to the wall or ceiling; they could cause injury if they fell.
- Do not connect the supplied speakers with any other amplifier. This may result in malfunction or fire.
- Do not connect any speakers other than those supplied to this system.
- For safety, make sure that there is no exposed bare speaker wire outside of the speaker terminals.

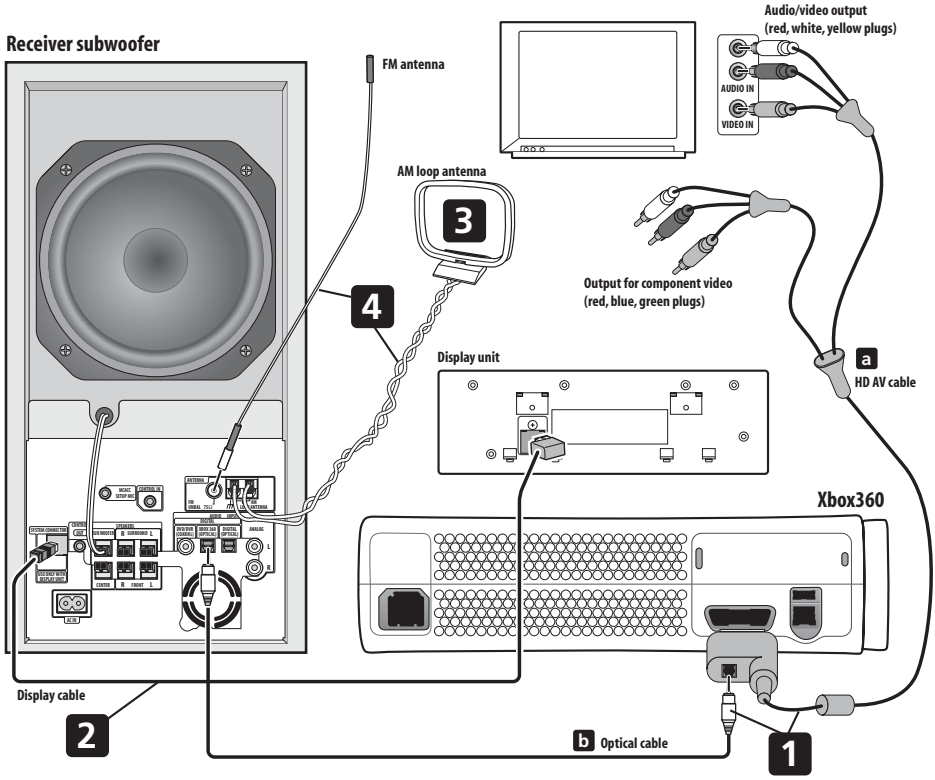
English

Chapter 2
Connecting up

Basic connections

Important

- When connecting this system or changing connections, be sure to switch power off and disconnect the power cord from the wall socket.
  After completing all connections, connect the power cord to the wall socket.



1 Connect the Xbox 360 to your TV and the receiver subwoofer.

a. Connect the Xbox 360 Component HD AV Cable (this is supplied with your Xbox 360) to the AV port on the rear of the Xbox 360 console.

Plug the yellow video plug into a video input on your TV/monitor. Plug the red/white audio plugs into the audio inputs on your TV/monitor.

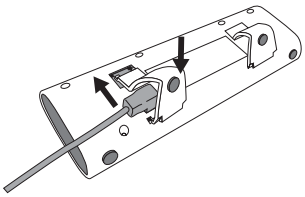
If your TV has a component video input, you can use this instead of the yellow (composite) video connection. See your Xbox 360 user manual for more information.

b. Plug an optical cable (supplied) into the **XBOX 360 (OPTICAL)** jack on the rear of the receiver subwoofer, then plug the other end into the digital audio output on the HD AV Cable.

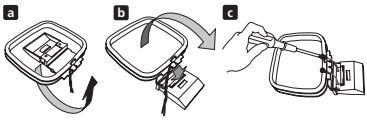
2 Connect the display unit to the receiver subwoofer.

Plug the L-shaped end of the display cable into the connector on the rear of the display unit, then plug the other end of the display cable into **SYSTEM CONNECTOR** jack on the receiver subwoofer.

- To attach the stands to the display unit, slip the two spurs on the top of each stand into the corresponding holes on the rear of the display unit, then snap the stand into place by pushing the catches on the stand base into the bottom set of holes (as shown).



3 Assemble the AM loop antenna.



a. Bend the stand in the direction indicated by the arrow.

b. Clip the loop onto the stand.

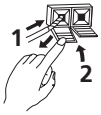
c. If you want to fix to a wall or other surface, perform step b after first securing the stand with screws.

It is recommended that you determine the reception strength before securing the stand with the screws.

4 Connect the AM and FM antennas[1].

a. Connect one wire of the AM loop antenna to each AM antenna terminal[2].

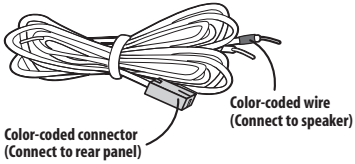
For each terminal, press down on the tab to open; insert the wire, then release to secure.



b. Push the FM antenna[3] plug onto the center pin of the FM antenna socket.

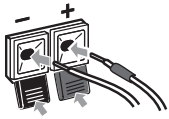
5 Connect each speaker.

- Each speaker cable has a color-coded connector at one end and two wires at the other end.



- Twist and pull off the protective shields on each wire.

- Connect the wires to the speaker. Match the colored wired with the color-coded label (model label), then insert the colored wire into the red (**+**) side and the other wire into the black (**–**) side.



Note

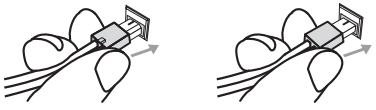
1 • Keep antenna cables away from other cables, the display unit, receiver subwoofer and DVD recorder.
• If reception with the supplied antenna is poor, see *Improving poor FM reception* and *Improving poor AM sound* on page 22 or *Connecting external antennas* on page 26.

2 • Don't let it come into contact with metal objects and avoid placing near computers, television sets or other electrical appliances.
• The signal earth (⏚) is designed to reduce noise that occurs when an antenna is connected. It is not an electrical safety earth.
• If radio reception is poor, you may be able improve it by re-inserting each antenna wire into the opposite terminal.
• For best reception, do not untwist the AM loop antenna wires or wrap them around the loop antenna.

3 • To ensure optimum reception, make sure the FM antenna is fully extended and not coiled or hanging at the rear of the unit.

- Connect the other end to the color-coded speaker terminals on the rear of the receiver subwoofer. Make sure to insert completely.

  The small lug at the wire-end of the speaker plug should face up or down depending on whether it's being plugged into one of the upper or lower speaker terminals. Please make sure to connect correctly.



Upper terminal Lower terminal

6 Connect the subwoofer cable.

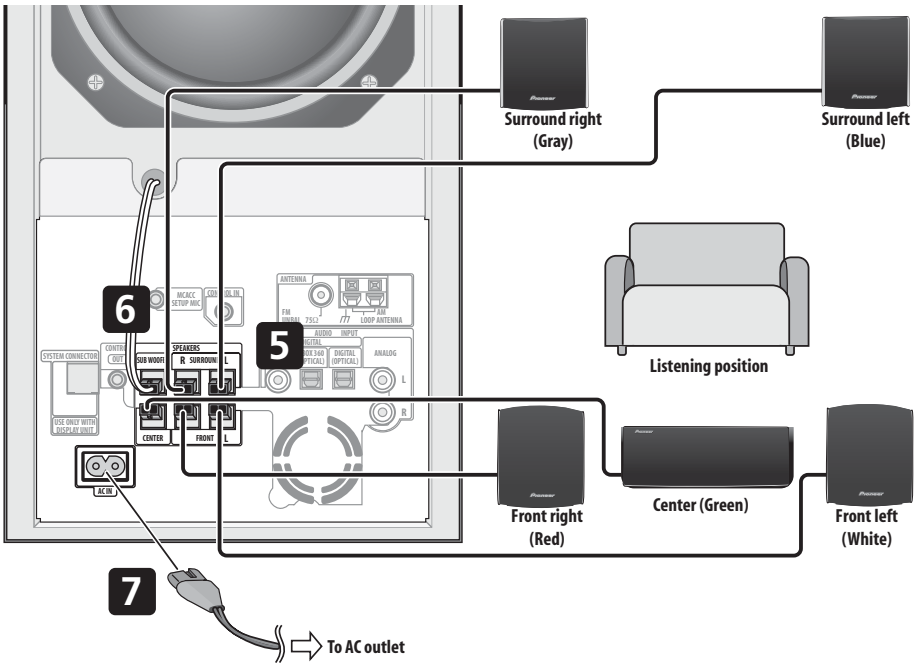
- Just below the subwoofer speaker, to the left of center, you should see the subwoofer connecting cable. Plug this into the **SUBWOOFER SPEAKER** terminal.

Caution

- These speaker terminals carry **HAZARDOUS LIVE voltage**. To prevent the risk of electric shock when connecting or disconnecting the speaker cables, disconnect the power cord before touching any uninsulated parts.
- Do not connect any speakers other than those supplied to this system.
- Do not connect the supplied speakers to any amplifier other than the one supplied with this system. Connection to any other amplifier may result in malfunction or fire.

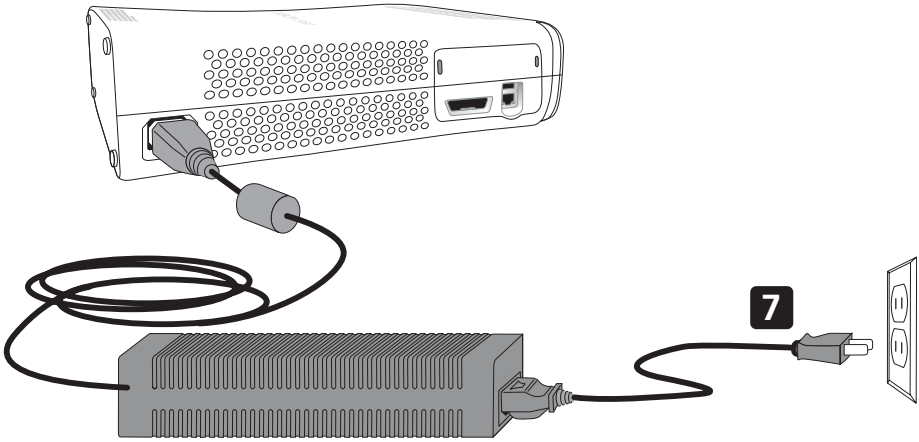
7 Connect the power cords.[1]

Connect the power cords to AC inlets on the receiver subwoofer and Xbox 360. Connect the power cords to a wall socket.



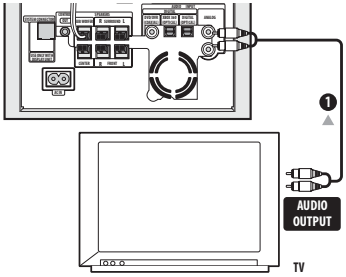
Note

1 • Do not use any power cord other than the one supplied with this system.
• Do not use the supplied power cord for any purpose other than connecting to this system.



Using this system for TV audio

If your TV has a stereo audio output you can connect it to this system and enjoy surround TV sound.



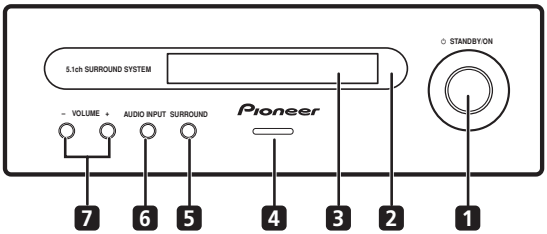
1 Connect the AUDIO OUTPUT jacks on your TV to the ANALOG AUDIO INPUT jacks on the receiver subwoofer.
Use the red/white stereo audio cable (not supplied) for this connection. Make sure you match the left and right outputs with their corresponding inputs for correct stereo sound.

- You can use the **ANALOG** input jacks for any analog source you want, such as a tape deck, etc.

English

Chapter 3
Controls and displays

Display unit



1 ⏻ STANDBY/ON
Press to switch the system on/into standby.

2 IR remote sensor (page 15)

3 Front panel display
See below for details.

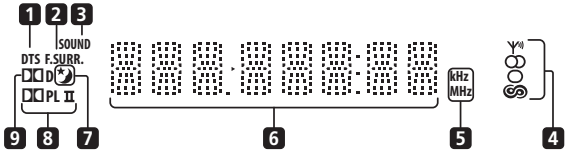
4 Indicator
Lights blue when the power is on (except when the dimmer/sleep timer is active).

5 SURROUND
Use to select a Surround mode (page 18).

6 AUDIO INPUT (page 26)
Press repeatedly to select one of the external audio inputs (**DVD/DVR**, **XBOX 360**, **DIGITAL** or **ANALOG**).

7 VOLUME buttons
Use to adjust the volume.

Display



1 DTS
Lights during playback of a DTS source (page 18).

2 F.SURR.
Lights when one of the Front Surround listening modes is selected (page 19).

SURR.
Lights when one of the Advanced Surround listening modes is selected (page 19).

3 SOUND
Lights when Sound Retriever is active (page 20).

4 Tuner indicators
– Lights when a broadcast is being received.

– Lights when a stereo FM broadcast is being received in auto stereo mode.

– Lights when FM mono reception is selected.

– Lights when in one of the RDS display or search modes.

5 kHz / MHz
Indicates the frequency unit shown in the character display (**kHz** for AM, **MHz** for FM).

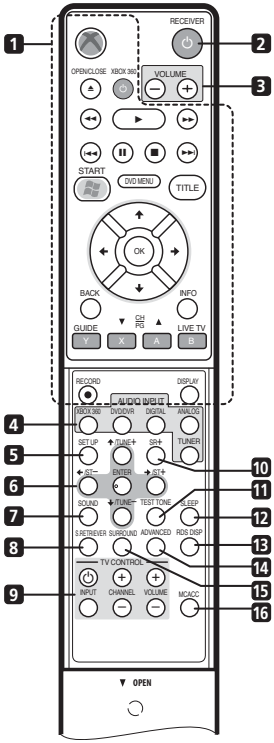
6 Character display

7
Lights when sleep timer is active (page 29).

8 PL II
Lights during Dolby Pro Logic II decoding (page 18).

9 D
Lights during playback of a Dolby Digital source (page 18).

Remote control



1 Xbox 360 controls
Use these buttons to control your Xbox 360. See your Xbox 360 user manual for detailed information on using your Xbox 360.

2 ⏻ RECEIVER
Press to switch the receiver subwoofer on or into standby.

3 VOLUME +/–
Use to adjust the volume.

4 Input select buttons

XBOX 360
Press to select the **XBOX 360** input.

DVD/DVR (page 26)
Press to select the **DVD/DVR** input.

DIGITAL (page 26)
Press to select the **DIGITAL** audio inputs.

ANALOG (page 26)
Press to select the **ANALOG** audio inputs.

TUNER (page 22)
Press to select the built-in radio tuner.

5 SETUP
Use to access the menu system for surround sound setup, tuner settings and so on (page 16, 22, 24, 29).

6 ⬆/⬇/⬅/➡ (cursor buttons) and ENTER
Use to control receiver functions.

7 SOUND (page 20)
Press to access the sound menu, from which you can adjust bass and treble, etc.

8 S.RETRIEVER
Press to restore CD quality sound to compressed stereo audio sources (page 20).

9 TV CONTROL (page 30)
After setting up, use these controls to control your TV.

10 SR+
Use to setup the SR+ features and to select the SR+ mode (page 27).

11 TEST TONE
Use to output the test tone (for speaker setup) (page 25).

12 SLEEP
Press to set the sleep timer (page 29).

13 RDS DISP
Changes RDS displays (page 23).

14 ADVANCED
Use to select a Pioneer original surround mode (page 19).

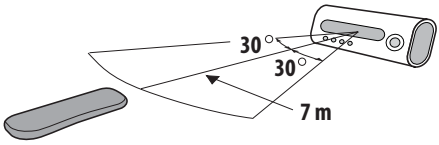
15 SURROUND
Use to select a Surround mode (page 18).

16 MCACC
Starts the Auto MCACC setup (page 16).

Using the remote control

Please keep in mind the following when using the remote control:

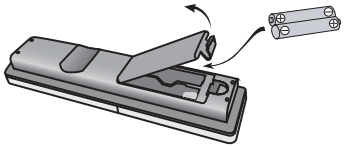
- Make sure that there are no obstacles between the remote and the remote sensor on the unit.
- Remote operation may become unreliable if strong sunlight or fluorescent light is shining on the unit's remote sensor.
- Remote controllers for different devices can interfere with each other. Avoid using remotes for other equipment located close to this unit.
- Replace the batteries when you notice a fall off in the operating range of the remote.
- Use within the operating range in front of the remote control sensor on the display unit, as shown.



Putting the batteries in the remote control

1 Open the battery compartment cover on the back of the remote control.

2 Insert two AA/LR6 alkaline batteries into the battery compartment following the indications (⊕,⊖) inside the compartment.



3 Close the cover.

Caution

Incorrect use of batteries can result in hazards such as leakage and bursting. Please observe the following:

- Don't mix new and old batteries together.
- Don't use different kinds of battery together—although they may look similar, different batteries may have different voltages.
- Make sure that the plus and minus ends of each battery match the indications in the battery compartment.
- Remove batteries from equipment that isn't going to be used for a month or more.
- When disposing of used batteries, please comply with governmental regulations or environmental public instruction's rules that apply in your country or area.

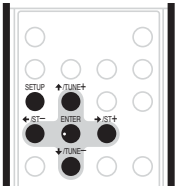
WARNING

- Do not use or store batteries in direct sunlight or other excessively hot place, such as inside a car or near a heater. This can cause batteries to leak, overheat, explode or catch fire. It can also reduce the life or performance of batteries.

Chapter 4
Getting started

System demo setting

Switches the automatic demo feature on or off (this starts when you plug in for the first time).



1 Switch the system into standby.

2 Press SETUP.

3 Use the ⬅/➡ (cursor left/right) buttons to select DEMO from the menu, then press ENTER.

4 Use the ⬆/⬇ (cursor up/down) buttons to select a setting, then press ENTER.
Select from:

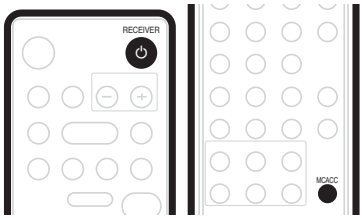
- **DEMO ON** – Switches the demo display on.
- **DEMO OFF** – Switches the demo display off and the system into standby.

Using the Auto MCACC setup for optimal surround sound

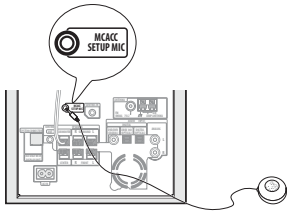
The Multichannel Acoustic Calibration (MCACC) system measures the acoustic characteristics of your listening area, taking into account ambient noise, and testing for channel delay and channel level. After you have set up the microphone provided, the system uses the information from a series of test tones to optimize the speaker settings and equalization (Acoustic Calibration EQ) for your particular room.[1]

Important

- The test tones used for Auto MCACC setup are loud; however, do not turn the volume down during setup as this may result in a sub-optimal setup.
- Make sure the microphone and speakers are not moved during the MCACC setup.



1 Connect the microphone to the MCACC SETUP MIC jack on the rear panel.



2 Place the microphone at your normal listening position.
Place it about ear height, and make sure it is level by using a table or chair.

Make sure there are no obstacles between the speakers and the microphone.

Note
1 You only need to use the Auto MCACC setup once (unless you change the placement of your speakers or your room layout).

3 If the receiver subwoofer is off, press ⏻ RECEIVER to turn the power on.

4 Press MCACC.

Try to be as quiet as possible after pressing **MCACC**. The volume increases automatically and the system outputs a series of test tones.

- To cancel Auto MCACC setup before it has finished, press **MCACC**. The unit will continue to use the previous settings.
- If the ambient noise level is too high, **NOISY** blinks in the display for five seconds. To exit and check the noise levels[1], press **MCACC**, or to try again, press **ENTER** when **RETRY** shows in the display.
- If you see an **ERR MIC** or **ERR SP** message in the display, there may be a problem with your mic or the speaker connections. To try again, press **ENTER** when you see **RETRY**[2]

When the MCACC setup is complete, the volume level returns to normal, **COMPLETE**[3] shows in the display, and Acoustic Calibration EQ is activated.[4]

Note

1 • If the room environment is not optimal for the Auto MCACC setup (too much ambient noise, echo off the walls, obstacles blocking the speakers from the microphone) the final settings may be incorrect. Check for household appliances (air conditioner, fridge, fan, etc.), that may be affecting the environment and switch them off if necessary.

• Some older TVs may interfere with the operation of the mic. If this seems to be happening, switch off the TV during Auto MCACC setup.

2 If this doesn't work, press **MCACC**, turn off the power, and check the problem indicated by the **ERR** message, then try the Auto MCACC setup again.

3 If **COMPLETE** doesn't appear, it is likely an error occurred during the setup. Please check all connections and try again.

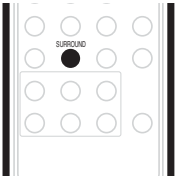
4 See *Listening with Acoustic Calibration EQ* on page 20 to switch on/off Acoustic Calibration EQ.

Chapter 5
Listening to your system

Auto listening mode

The Auto listening mode is the simplest way to listen to any source as it was mastered: the output from the speakers mirrors the channels in the source material.

If you set up the system for Front surround (page 7), the Front Surround modes will give the best results (see *Using Front Surround* on page 19).



- **Press SURROUND to select the AUTO listening mode.**

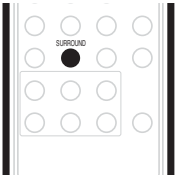
If the source is Dolby Digital or DTS, the front panel **D** or **DTS** indicator lights.

- You can also use the **SURROUND** button on the display unit to change the listening mode.

Listening in surround sound

You can listen to stereo or multichannel sources in surround sound. Surround sound is generated from stereo sources using one of the Dolby Pro Logic decoding modes.

If you set up the system for Front surround (page 7), the Front Surround modes will give the best results (see *Using Front Surround* on page 19).



- **Press SURROUND repeatedly to select a listening mode.**
  - You can also use the **SURROUND** button on the display unit to change the listening mode.

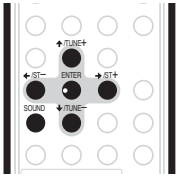
The choices that appear in the display will vary according to the type of source that's playing.

If the source is Dolby Digital or DTS, the front panel **D** or **DTS** indicator lights.

- **AUTO** – Auto listening mode (see above)
- **DOLBY PL** (Dolby Pro Logic) – 4.1 channel surround sound for use with any two-channel source
- **MOVIE** (Dolby Pro Logic II Movie) – 5.1 channel surround sound, especially suited to movie sources, for use with any two-channel source
- **MUSIC** (Dolby Pro Logic II Music) – 5.1 channel surround sound, especially suited to music sources, for use with any two-channel source; see *Dolby Pro Logic II Music settings* below
- **STEREO** – See *Listening in stereo* on page 19

Dolby Pro Logic II Music settings

When listening in Dolby Pro Logic II Music mode (see above), there are three settings you can adjust: Center Width, Dimension, and Panorama.



1 With Dolby Pro Logic II Music mode active, press SOUND.

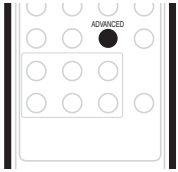
2 Use ←/→ (cursor left/right) to select C WIDTH, DIMEN. or PANORAMA then press ENTER.

- **C WIDTH** (Center Width): Provides a better blend of the front speakers by spreading the center channel between the front right and left speakers, making it sound wider (higher settings) or narrower (lower settings)
- **DIMEN.** (Dimension): Adjusts the depth of the surround sound balance from front to back, making the sound more distant (minus settings), or more forward (positive settings)
- **PANORAMA**: Extends the front stereo image to include the surround speakers for a 'wraparound' effect.

3 Use ↑/↓ (cursor up/down) to adjust the setting then press ENTER to confirm.

Using Front Surround

The Front Surround modes are effective when you are using the Front surround speaker setup as described on page 7. The surround speakers should be placed on top of the front speakers and oriented either towards the walls, or straight ahead, depending on which mode you are using (see below).



- **Press ADVANCED to select a Front Surround mode.**

Press repeatedly to select **FRTMOVIE**, **FRTMUSIC** or **EXTPOWER**.

Turn each surround speaker so that the ▼ arrow at the base is lined up with the ▲ **FRONT SURROUND** arrow on the front speaker. This is only necessary with the **FRTMOVIE** or **FRTMUSIC** modes. With **EXTPOWER** (Extra Power), line up the ▼ arrow with the ▲ **EXTRA POWER** arrow (the surround speakers should be in the same direction as the front speakers.).

FRTMOVIE / **FRTMUSIC** **EXTPOWER**

Using Advanced Surround

The Advanced Surround effects can be used with any multichannel or stereo source for a variety of additional surround sound effects.

If you set up the system for Front surround (page 7), the Front Surround modes will give the best results (see *Using Front Surround* above).

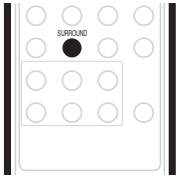
- **Press ADVANCED to select an Advanced Surround mode.**

Press repeatedly to select:

- **ADVMOVIE** – Suitable for movies
- **ADVMUSIC** – Suitable for music
- **EXPANDED** – Wide sound field
- **TV SURR.** – Surround sound for mono or stereo TV broadcasts
- **SPORTS** – Suitable for sports programming
- **GAME** – Suitable for TV game units
- **VIRTUAL** – A virtual surround effect using just the subwoofer and front speakers.
- **5 STEREO** – Powerful surround sound for stereo music sources

Listening in stereo

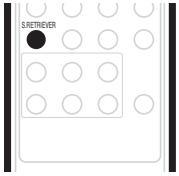
You can listen to any source—stereo or multichannel—in stereo. When playing a multichannel source, all channels are downmixed to the front left/right speakers and the subwoofer.



- **Press SURROUND repeatedly until STEREO shows in the display.**
  - You can also use the **SURROUND** button on the display unit to change the listening mode.

Using the Sound Retriever

When audio data is removed during the MP3 or WMA compression process, sound quality often suffers from an uneven sound image. The Sound Retriever feature employs new DSP technology that helps bring CD quality sound back to compressed 2-channel audio by restoring sound pressure and smoothing jagged artifacts left over after compression.



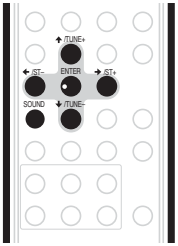
- **While listening to a stereo source, press S.RETRIEVER.**

Press repeatedly to switch between:

- **RTRV ON** — Switches the Sound Retriever on.
- **RTRV OFF** — Switches the Sound Retriever off.

Listening with Acoustic Calibration EQ

You can listen to sources using the Acoustic Calibration EQ set in *Using the Auto MCACC setup for optimal surround sound* on page 16.



1 Press SOUND.

2 Use the ⬅/➡ (cursor left/right) buttons to select MCACC EQ then press ENTER.

3 Use the ⬆/⬇ (cursor up/down) buttons to switch EQ ON or EQ OFF then press ENTER to confirm.

- On the **EQ OFF** setting, equalization is set to off and speaker settings (channel delay and channel level) remains as it is set.
- Acoustic Calibration EQ is set to on automatically after Auto MCACC setup is used.

Enhancing dialogue

The Dialogue Enhancement feature is designed to make the dialogue stand out from other background sounds in a TV or movie sound track.

1 Press SOUND.

2 Use the ⬅/➡ (cursor left/right) buttons to select DIALOGUE then press ENTER.

3 Use the ⬆/⬇ (cursor up/down) buttons to select the amount dialogue enhancement then press ENTER to confirm.

Select between **OFF**, **MID** or **MAX**.

Using Quiet and Midnight listening modes

The Quiet listening feature reduces excessive bass or treble in a sound source.

The Midnight listening feature allows you to hear effective surround sound of movies at low volume levels.

1 Press SOUND.

2 Use the ⬅/➡ (cursor left/right) buttons to select TONE then press ENTER.

3 Use the ⬆/⬇ (cursor up/down) buttons to select QUIET or MIDNIGHT then press ENTER to confirm.

- To cancel the Quiet or Midnight listening modes, select **BASS/TRE**.

Adjusting the bass and treble

Use the bass and treble controls to adjust the overall tone.

1 Press SOUND.

2 Use the ⬅/➡ (cursor left/right) buttons to select TONE then press ENTER.

3 Use the ⬆/⬇ (cursor up/down) buttons to select BASS/TRE then press ENTER.

- Selecting **BASS/TRE** cancels the Quiet and Midnight listening modes. These modes cannot be used at the same time.

4 Use the ⬅/➡ (cursor left/right) buttons to select BASS or TREBLE; use the ⬆/⬇ (cursor up/down) buttons to adjust the sound then press ENTER to confirm.

Boosting the bass level

There are two bass modes you can use to enhance the bass in a source.

1 Press SOUND.

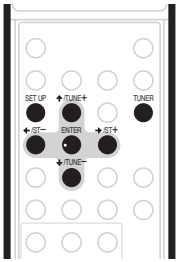
2 Use the ⬅/➡ (cursor left/right) buttons to select BASSMODE then press ENTER.

3 Use the ⬆/⬇ (cursor up/down) buttons to select the sound then press ENTER to confirm.
Select between **OFF**, **MUSIC** or **CINEMA**.

Chapter 6
Listening to the radio

Listening to the radio

The tuner can receive both FM and AM broadcasts, and lets you memorize your favorite stations so you don't have to manually tune in every time you want to listen.



1 Press TUNER to switch to the tuner, then press repeatedly to select the FM or AM band.
The display shows the band and frequency.

2 Tune to a frequency.
There are three tuning modes—manual, auto, and high-speed:

- **Manual tuning**: Press **TUNE +/–** repeatedly to change the displayed frequency.
- **Auto tuning**: Press and hold **TUNE +/–** until the frequency display starts to move, then release. The tuner will stop on the next station it finds. Repeat to keep searching.
- **High-speed tuning**: Press and hold **TUNE +/–** until the frequency display starts to move rapidly. Keep the button held down until you reach the frequency you want. If necessary, fine tune the frequency using the manual tuning method.

Improving poor FM reception

If you're listening to an FM station in stereo but the reception is weak, you can improve the sound quality by switching to mono.

1 Tune to an FM radio station then press SETUP.

2 Use the ⬅/➡ (cursor left/right) buttons to choose FM MODE then press ENTER.

3 Use the ⬆/⬇ (cursor up/down) buttons to select FM MONO then press ENTER.
The mono indicator (○) lights when the tuner is in mono reception mode.

Select **FM AUTO** above to switch back to auto-stereo mode (the stereo indicator (○○) lights when receiving a stereo broadcast).

Improving poor AM sound

The simplest way to improve the sound quality of AM radio is to make sure that the TV in the room is switched off. Also try changing the position and direction of the AM loop antenna.

Changing the noise cut mode

If you find that the sound quality is bad even after trying the above, you may be able to improve it using a different noise cut mode. Just choose the one that sounds best.

1 Tune to an AM radio station then press SETUP.

2 Use the ⬅/➡ (cursor left/right) buttons to choose NOISECUT then press ENTER.

3 Use the ⬆/⬇ (cursor up/down) buttons to select a Noise cut mode (1, 2 or 3) then press ENTER.

Memorizing stations

You can save up to 30 station presets so that you always have easy access to your favorite stations without having to tune in manually each time.

1 Tune to an AM or FM radio station.
For the FM band, select mono or auto-stereo reception as necessary. This setting is saved along with the preset.

2 Press SETUP.

3 Use the ⬅/➡ (cursor left/right) buttons to choose ST.MEM. then press ENTER.

4 Use the ⬆/⬇ (cursor up/down) buttons to select the station preset you want then press ENTER.

Listening to station presets

1 Make sure the tuner function is selected.

2 Use the ST +/– buttons to select a station preset.

Using RDS

Radio Data System (RDS) is a system used by most FM radio stations to provide listeners with various kinds of information—the name of the station and the kind of show they're broadcasting, for example.

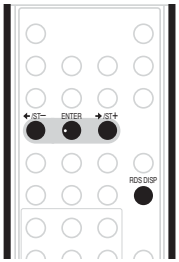
One feature of RDS is that you can search by type of program. For example, you can search for a station that's broadcasting a show with the program type, **JAZZ**.

You can search the following program types:[1]

NEWS – News
AFFAIRS – Current Affairs
INFO – General Information
SPORT – Sport
EDUCATE – Educational
DRAMA – Radio plays, etc.
CULTURE – National or regional culture, theater, etc.
SCIENCE – Science and technology
VARIED – Usually talk-based material, such as quiz shows or interviews.
POP M – Pop music
ROCK M – Rock music
EASY M – Easy listening
LIGHT M – 'Light' classical music
CLASSICS – 'Serious' classical music
OTHER M – Music not fitting above categories
WEATHER – Weather reports
FINANCE – Stock market reports, commerce, trading, etc.
CHILDREN – Programs for children
SOCIAL – Social affairs
RELIGION – Programs concerning religion
PHONE IN – Public expressing their views by phone
TRAVEL – Holiday-type travel rather than traffic announcements
LEISURE – Leisure interests and hobbies
JAZZ – Jazz
COUNTRY – Country music
NATION M – Popular music in a language other than English
OLDIES – Popular music from the '50s and '60s
FOLK M – Folk music
DOCUMENT – Documentary

Displaying RDS information

You can display the different types of RDS information available.[2]



- **Press RDS DISP for RDS information.**

Each press changes the display as follows:

- Radio Text (**RT**) – Messages sent by the radio station. For example, a talk radio station may provide a phone number as RT.
- Program Service Name (**PS**) – The name of the radio station.
- Program Type (**PTY**) – This indicates the kind of program currently being broadcast.
- **SEARCH** – PTY search (see below)
- Current tuner frequency

Searching for RDS programs

You can search for a program type listed above.

1 Press the FM/AM button for the FM band.[3]

2 Press RDS DISP repeatedly until SEARCH appears in the display.

3 Use the ⬅/➡ (cursor left/right) buttons to select the program type you want to hear.

4 Press ENTER to start the search.
The system searches the station presets for a match. If it finds one, searching stops for 5 sec.

5 If you want to keep listening to the station, press ENTER within the 5 seconds.
If you don't press **ENTER**, searching resumes.

Note

1 In addition, there are three other program types, **TEST**, **ALARM**, and **NO TYPE**. **ALARM** and **TEST** are used for emergency announcements. You can't search for these, but the tuner will switch automatically to this RDS broadcast signal. **NO TYPE** appears when a program type cannot be found.

2 • If any noise is picked up while displaying the RT scroll, some characters may be displayed incorrectly.
• If you see **NO DATA** in the RT display, it means no RT data is sent from the broadcast station. The display will automatically switch to the PS data display (if no PS data, the frequency is displayed).
• In the PTY display, **NO DATA** or **NO TYPE** may be shown. In this case, the PS display is shown after a few seconds.

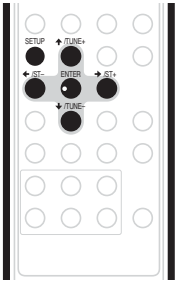
3 RDS is only possible in the FM band.

Chapter 7
Surround sound settings

Using the Setup menu

From the Setup menu you can access all the surround sound settings of the system[1], including channel levels, speaker distances, dynamic range adjustment and dual mono audio playback.

Use the following buttons to use the Setup menu.



Channel level setting

The Auto MCACC feature (see page 16) should give you the best surround sound setup. However you may find that by further adjustment of the channel levels you can improve the surround sound in your listening room.

This method of setting the channel levels allows you to listen to a source and adjust the levels of each playback channel. Note that the channel level settings for stereo playback are independent of the settings for surround sound playback.

A further method of setting the channel levels is to use the test tone method. See *Adjusting the channel levels using the test tone* on page 25 for more on this.

1 Select stereo or multichannel playback for a source.

2 Press SETUP.

3 Use the ⬅/➡ (cursor left/right) buttons to select CH LEVEL, then press ENTER.

4 Use ⬅/➡ (cursor left/right) to select a channel; ⬆/⬇ (cursor up/down) to adjust the level of that channel.

- You can adjust the level of each channel by ± 10 dB.
- If the system is in Stereo or Virtual mode, or a stereo source is playing in Auto mode, you will not be able to adjust the center or surround channels.

5 Press ENTER when you're finished.

- If you use the Auto MCACC feature again, it will overwrite the settings you have made here.

Speaker distance setting

The Auto MCACC feature (see page 16) should give you the best surround sound setup. However you may find that by further adjustment of the speaker distance settings you can improve the surround sound in your listening room.

Set the distance of each speaker from your normal listening position.

1 Press SETUP.

2 Use the ⬅/➡ (cursor left/right) buttons to select DISTANCE, then press ENTER.

3 Use ⬅/➡ (cursor left/right) to select a speaker; ⬆/⬇ (cursor up/down) to adjust the distance.

Adjust the following speakers:

- **L** – Front left speaker
- **C** – Center speaker
- **R** – Front right speaker
- **SR** – Surround right speaker
- **SL** – Surround left speaker
- **SW** – Subwoofer

Each speaker can be adjusted from **0.3 m** to **9.0 m**.

4 Press ENTER when you're finished.

- If you use the Auto MCACC feature again, it will overwrite the settings you have made here.

Dynamic Range Control

When watching Dolby Digital or DTS material at low volume, low level sounds—including some of the dialog—can be difficult to hear properly. Using one of the Dynamic Range Control (DRC) settings can help by bringing up the low level sounds, while controlling high level peaks.

Dynamic Range Control works only with Dolby Digital soundtracks and some DTS soundtracks.

1 Press SETUP.

2 Use the ⬅/➡ (cursor left/right) buttons to select DRC, then press ENTER.

3 Use ⬆/⬇ (cursor up/down) to select a setting.

Select one of the following:

Note

1 There are other settings you can adjust from the Setup menu; these are explained in *Listening to the radio* on page 22 and *Additional information* on page 29.

- **DRC OFF** *(default)* – No dynamic range adjustment (use when listening at higher volume)
- **DRC MID** – Mid setting
- **DRC HIGH** – Dynamic range is reduced (loud sounds are reduced in volume while quieter sounds are increased)

4 Press ENTER to exit.

Dual mono setting

Specifies how dual mono encoded Dolby Digital or DTS soundtracks should be played. You can also use this setting to switch the audio channel on DVD-RW discs recorded with bilingual audio.

1 Press SETUP.

2 Use the ⬅/➡ (cursor left/right) buttons to select DUALMONO, then press ENTER.

3 Use ⬆/⬇ (cursor up/down) to select a setting.
Select one of the following:

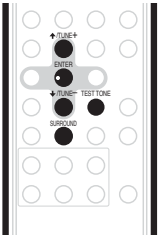
- **CH1 MONO** *(default)* – Only channel 1 is played
- **CH2 MONO** – Only channel 2 is played
- **CH1/CH2** – Both channels are played through the front speakers

4 Press ENTER to exit.

Adjusting the channel levels using the test tone

If you prefer, you can set the channel levels using a test tone as a reference, rather than playing a source (see *Channel level setting* on page 24). A test tone is played through each speaker in turn, allowing you to adjust the level as it plays.

Note that the channel level settings for stereo sources are independent of the settings for surround sound sources.



1 Press SURROUND to select the Auto listening mode.

- If you want to set the channel levels for stereo (two channel) playback, select the **STEREO** listening mode.

2 Press TEST TONE.
The test tone is output from each speaker in turn.

3 While a test tone is playing, use the ⬆/⬇ (cursor up/down) buttons to adjust that channel level.
The aim is to adjust the levels so that you hear the test tone at the same volume from each speaker. You can adjust the level of each channel by ± 10 dB.

- You can adjust the overall volume of test tone output using the **VOLUME +/–** buttons (this does not affect the channel level settings).
- If the system is in Stereo or Virtual mode, you will not be able to adjust the center or surround channels.
- Because of the ultra low frequencies the subwoofer produces, it may sound quieter than it really is. We suggest adjusting the subwoofer level while listening to a source. See the method described in *Channel level setting* on page 24.

4 When you're done, press ENTER to exit test tone setup.

- If you use the Auto MCACC feature again, it will overwrite the settings you have made here.

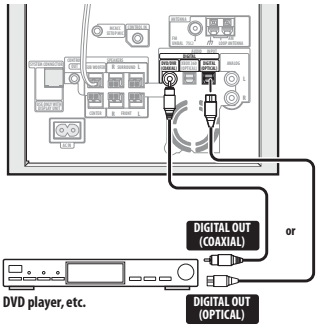
Chapter 8
Other connections

Important

- When connecting this system or changing connections, be sure to switch power off and disconnect the power cord from the wall socket. After completing all connections, connect the power cord to the wall socket.

Connecting auxiliary components

The receiver subwoofer has optical and coaxial digital inputs for digital playback components, such as DVD, CD and MD players.



- **Connect the digital output jack on your DVD player, etc. to one of the DIGITAL input jacks on the receiver subwoofer.**

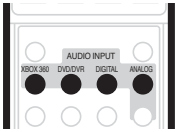
Use a commercially available coaxial or optical cable to make this connection.

Connecting an analog audio component

You can use the **ANALOG** input jacks to connect an analog audio component, such as a tape player. See *Using this system for TV audio* on page 12 for connection details (this explains connecting the audio output from your TV, but any analog audio component can be connected).

Listening to an external audio source

You can connect both analog and digital external audio sources to this system. Digital audio sources include digital satellite receivers, CD recorders, etc. Analog sources include your TV. See also *Using this system for TV audio* on page 12 and *Connecting auxiliary components* above.



1 If the system isn't already on, press ⏻ RECEIVER to switch on.

Also make sure that the external source (TV, satellite receiver, etc.) is switched on.

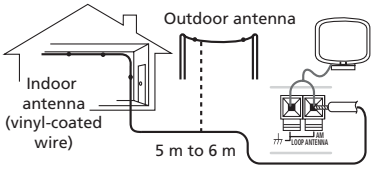
2 Select DVD/DVR, DIGITAL or ANALOG to select the source for playback.

These buttons correspond with the input jacks on the receiver subwoofer.

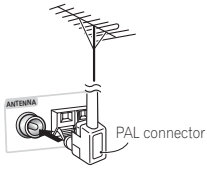
3 If necessary, start playback of the external source.

Connecting external antennas

For an external AM antenna, use 5 m to 6 m of vinyl-insulated wire and set up either indoors or outdoors. Leave the loop antenna connected.

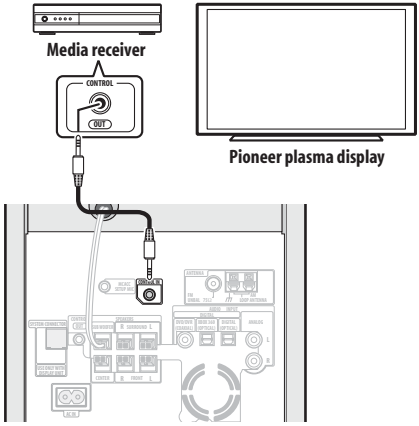


For an external FM antenna, Use a PAL connector to hook up an external FM antenna.



Using this unit with a Pioneer plasma display

If you have a Pioneer plasma display[1], you can use an SR+ cable[2] to connect it to this unit and take advantage of various convenient features, such as controlling this unit via the plasma display's remote sensor, automatic video input switching of the plasma display, display unit messages appearing on the plasma display screen, and automatic volume muting on the plasma display.



Important

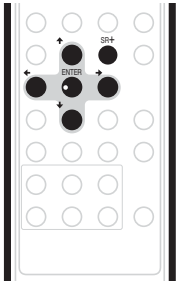
- With an SR+ cable connected, the remote must now be pointed towards your plasma display rather than the display unit of the receiver subwoofer in order to control the receiver subwoofer.

- **Use a 3-ringed miniplug SR+ cable to connect the CONTROL IN jack of this unit (through a media receiver, if applicable) to the CONTROL OUT jack of your plasma display.[3]**

Before you can use the extra SR+ features, you need to make a few settings in the unit—see *SR+ Setup for Pioneer plasma displays* below.

SR+ Setup for Pioneer plasma displays

Make the following settings if you have connected a Pioneer plasma display to this unit using an SR+ cable.



1 Press SR+.

2 Use the ⬅/➡ (cursor left/right) buttons to choose SETUP, then press ENTER.

3 Use the ⬅/➡ (cursor left/right) buttons to choose the setting you want to adjust.

The current setting is shown for each option as you cycle through the display. See below for a full list and description of each.

4 Use the ⬆/⬇ (cursor up/down) buttons to adjust the setting.

5 Repeat steps 3 and 4 to make other settings.

6 When you're done, press ENTER to leave the SR+ setup menu.

Automatic plasma display volume muting

When Volume Control is switched on, the volume of the plasma display is automatically muted when the receiver subwoofer is switched on, or the receiver subwoofer's input function is changed to one that you would want to hear the sound from the receiver subwoofer rather than the plasma display (DVD, for example).

- **VOL.C ON** – When this unit is switched on, or the input function is changed, the volume on the plasma display is muted so only sound from this unit is heard.
- **VOL.C OFF** – This unit does not control the volume of the plasma display

Note

1 This system is compatible with all Pioneer plasma displays from 2003 onward.
2 The 3-ringed SR+ cable from Pioneer is commercially available under the part number ADE7095. Contact the Pioneer Customer Support division for more information on obtaining an SR+ cable.
3 You won't be able to use the remote sensor of this unit with the **CONTROL IN** jack of this unit connected to the **CONTROL OUT** jack of your plasma display. You can use the remote sensor of the plasma display (even in standby) as long as the power isn't switched off.

Automatic plasma display input switching
In order that the plasma display can switch automatically to the correct input when you switch the input function of the receiver subwoofer, you need to tell it how your system is connected.

For example, if you connected your DVD recorder to the **DVD/DVR** input on the receiver subwoofer, and to input 2 on your plasma display, select the **DVD PDP2** setting here so that when you switch the input function of the receiver subwoofer to **DVD/DVR** to watch your DVD recorder, the plasma display will automatically switch to input 2.

For each receiver subwoofer input function (**XBX** (Xbox 360), **DVD** (DVD/DVR), **DIG** (DIGITAL), **ANA** (ANALOG)) you can select:

- **NONE** – does not switch the plasma display input
- **PDP1** to **PDP5** – switches the plasma display input to one of the numbered inputs (1 to 5)
- **TVTN** – switches the plasma display to its built-in TV tuner

Note

- The number of video inputs available will depend on the plasma display you've connected.
- The **PDP5** input may be called 'PC Input' (or similar) on your plasma display.
- The SR+ setting remains in effect even in standby.
- The SR+ setting does not affect the FM/AM tuner function.

Using the SR+ mode with a Pioneer plasma display

1 Press SR+ on the remote.

2 Use ⬅/➡ (cursor left/right) to select SR+ ON then press ENTER.

- The SR+ setting is maintained even after switching the receiver subwoofer into standby then back on. Automatic muting and input switching will be effective when the receiver subwoofer is switched on.
- If you disconnect the SR+ cable or switch the plasma display off while SR+ is on, the **SR+ ON** setting remains.
- To switch to **SR+ OFF**, follow steps **1** and **2**, selecting **SR+ OFF**.

Note

- You can control this unit with the plasma display's remote sensor even in standby, but you can't control this unit with either this unit's remote sensor or the plasma display's remote sensor when the plasma display is switched off (AC off) and the SR+ cable is connected to the **CONTROL IN** jack of this unit.

About the control out jack

Many Pioneer components have SR CONTROL jacks which can be used to link components together so that you can use just the remote sensor of one component. When you use a remote control, the control signal is passed along the chain to the appropriate component.

Note that if you use this feature, make sure that you also have at least one set of analog or coaxial digital audio jacks connected to another component for grounding purposes.

- **Connect the CONTROL IN jack on another Pioneer component to the CONTROL OUT jack on the receiver subwoofer.**

This will allow you to control the other component (such as a DVD player in a cabinet) by pointing its remote at the display unit supplied with this receiver subwoofer.

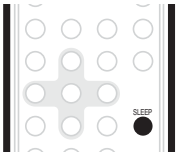
- You can also connect this receiver subwoofer to your plasma display as described above, in which case you should point the remote at the plasma display to control your DVD player, receiver subwoofer, and plasma display.

Use a cable with a mono mini-plug on each end for the connection.

Chapter 9
Additional information

Setting the sleep timer

The sleep timer switches off the receiver subwoofer after a specified time so you can fall asleep without worrying about it.[1]

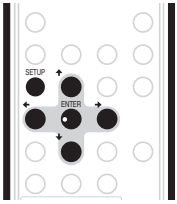


1 Press the SLEEP button to select an option.
Choose between the following options:

- **SLP ON** – Switches off after about an hour
- **SLP OFF** – Cancels the sleep timer

After selecting **SLP ON**, you can press **SLEEP** again to check how much time is left. Each line indicates approximately 12 minutes (remaining):

Dimming the display



You can choose to dim the display if you find it too bright.[2]

1 Press SETUP.

2 Use the ⬅/➡ (cursor left/right) buttons to select DIMMER then press ENTER.

3 Use the ⬆/⬇ (cursor up/down) buttons to select LIGHT or DARK then press ENTER.

DTS CD setting

If you play a DTS-encoded CD, you will need to change this setting to hear the decoded signal.

1 Switch the system into standby.

2 Press SETUP.

3 Use the ⬅/➡ (cursor left/right) buttons to select CD TYPE from the menu, then press ENTER.

4 Use the ⬆/⬇ (cursor up/down) buttons to select a setting, then press ENTER.
Select from:

- **NORMAL** – Use for playback of regular audio CDs. Some DTS-encoded CDs will output noise when played.
- **DTS-CD** – Use for playback of DTS-encoded CDs, but note that the beginning of regular CD tracks may be skipped.

Resetting the system

Use this procedure to reset all system settings to the factory default.

1 Switch the system on.

2 Press and hold SURROUND then press the ⏻ STANDBY/ON button on the display unit.
The next time you switch on, all the system settings should be reset.

Installation and maintenance

Hints on installation

We want you to enjoy using this system for years to come, so please bear in mind the following points when choosing a location:

Do...

✓ Use in a well-ventilated room.

✓ Place on a solid, flat, level surface, such as a table, shelf or stereo rack.

Don't...

✗ Use in a place exposed to high temperatures or humidity, including near radiators and other heat-generating appliances.

✗ Place on a window sill or other place where the system will be exposed to direct sunlight.

Note

1 The display dims and the blue indicator on the display switches off when the sleep timer is set.
2 The display dims and the blue indicator on the display switches off when the sleep timer is set, regardless of this setting.

- ✗ Use in an excessively dusty or damp environment.
- ✗ Place directly on top of an amplifier, or other component in your stereo system that becomes hot in use.
- ✗ Use near a television or monitor as you may experience interference—especially if the television uses an indoor antenna.
- ✗ Use in a kitchen or other room where the system may be exposed to smoke or steam.
- ✗ Use on a thick rug or carpet, or cover with cloth—this may prevent proper cooling of the system unit.
- ✗ Place on an unstable surface, or one that is not large enough to support all four of the system unit's feet.

Glossary

Dolby Digital	A multi-channel audio encoding system developed by Dolby Laboratories that enables far more audio to be stored on a disc than PCM encoding.
Dolby Pro Logic II	A matrix decoding technology developed by Dolby Laboratories that expands any two-channel source audio, such as CDs and TV broadcasts, to a five-channel playback (left/center/right/left surround/right surround), resulting in a surround experience.
DTS	A multi-channel audio encoding system developed by Digital Theater Systems that enables far more audio to be stored on a disc than PCM encoding.

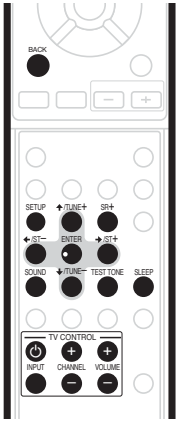
Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

"DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.

The Windows logo, Windows Media, Xbox 360 and the Xbox logos are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries and are used under license from Microsoft.

Setting up the remote to control your TV

You can use the supplied remote to control your TV. To be able to use this feature you first have to program the remote with a maker code from the table on the following page.



1 Switch on your TV.

2 Press and hold down the BACK button, then enter the maker code for your TV.

The following table shows which buttons on the remote correspond to which numbers.

Number	Remote button	Number	Remote button
1	SETUP	6	➡/ST+
2	⬆/TUNE+	7	SOUND
3	SR+	8	⬇/TUNE–
4	⬅/ST–	9	TEST TONE
5	ENTER	0	SLEEP

See the table on the next page for the list of maker codes. If there is more than one code given for your maker, input the first one in the list.

- If the maker's name of your TV doesn't appear in the table, you will not be able to use this remote to control your TV.

3 Point the remote towards your TV and press ⏻ TV to check that the remote works with your TV.

If the remote is set up correctly, the TV should switch off. If it doesn't and there is another code given for your maker, repeat step **2** with a new code.

Using the TV remote control buttons

The table below shows how to use this remote control with your TV.

Button	What it does
⏻ **TV**	Press to switch the TV on/off (standby)
INPUT	Press to change the TV's video input
TV VOLUME	Use to adjust the TV volume
TV CHANNEL	Use to change TV channels

Preset code list

Please note that there are cases where only certain functions may be controllable after assigning the proper preset code, or the codes for the manufacturer in the list will not work for the model that you are using.

ACURA 644
ADMIRAL 631
AIWA 660
AKAI 632, 635, 642
AKURA 641
ALBA 607, 639, 641, 644
AMSTRAD 642, 644, 647
ANITECH 644
ASA 645
ASUKA 641
AUDIOGONIC 607, 636
BASIC LINE 641, 644
BAUR 631, 607, 642
BEKO 638
BEON 607
BLAUPUNKT 631
BLUE SKY 641
BLUE STAR 618
BPL 618
BRANDT 636
BTC 641
BUSH 607, 641, 642, 644, 647, 656
CASCADE 644
CATHAY 607
CENTURION 607
CGB 642
CIMLINE 644
CLARIVOX 607
CLATRONIC 638
CONDOR 638
CONTEC 644
CROSLEY 632
CROWN 638, 644
CRYSTAL 642
CYBERTRON 641
DAEWOO 607, 644, 656
DAINICHI 641
DANSAI 607
DAYTON 644
DECCA 607, 648
DIXI 607, 644
DUMONT 653
ELIN 607
ELITE 641
ELTA 644
EMERSON 642
ERRES 607
FERGUSON 607, 636, 651
FINLANDIA 635, 643, 655
FINLUX 632, 607, 645, 648, 653, 654, 655
FIRSTLINE 640, 644
FISHER 632, 635, 638, 645
FORMENTI 632, 607, 642
FRONTECH 631, 642, 646
FRONTECH/PROTECH 632
FUJITSU 648, 629
FUNAI 640, 646, 658
GBC 632, 642
GE 601, 608, 607, 610, 617, 602, 628, 618
GEC 607, 634, 648
GELOSO 632, 644
GENEXXA 631, 641
GOLDSTAR 610, 623, 621, 602, 607, 650
GOODMANS 607, 639, 647, 648, 656
GORENJE 638
GPM 641
GRAETZ 631, 642
GRANADA 607, 635, 642, 643, 648
GRADIENTE 630, 657
GRANDIN 618
GRUNDIG 631, 653
HANSEATIC 607, 642
HCM 618, 644
HINARI 607, 641, 644
HISAWA 618
HITACHI 631, 633, 634, 636, 642, 643, 654, 606, 610, 624, 625, 618
HUANYU 656
HYPSON 607, 618, 646
ICE 646, 647
IMPERIAL 638, 642
INDIANA 607
INGELEN 631
INTERFUNK 631, 632, 607, 642
INTERVISION 646, 649
ISUKAI 641
ITC 642
ITT 631, 632, 642
JEC 605
JVC 613, 623
KAISUI 618, 641, 644
KAPSCH 631
KENDO 642
KENNEDY 632, 642
KORPEL 607
KOYODA 644
LEYCO 607, 640, 646, 648
LIESENK&TTER 607
LOEWE 607
LUXOR 632, 642, 643
M-ELECTRONIC 631, 644, 645, 654, 655, 656, 607, 636, 651
MAGNADYNE 632, 649
MAGNAFON 649
MAGNAVOX 607, 610, 603, 612, 629
MANESTH 639, 646
MARANTZ 607
MARK 607
MATSUI 607, 639, 640, 642, 644, 647, 648
MCMICHAEL 634
MEDIATOR 607
MEMOREX 644
METZ 631
MINERVA 631, 653
MITSUBISHI 609, 610, 602, 621, 631
MULTITECH 644, 649
NEC 659
NECKERMANN 631, 607
NEI 607, 642
NIKKAI 605, 607, 641, 646, 648
NOBLIKO 649
NOKIA 632, 642, 652
NORDMENDE 632, 636, 651, 652
OCEANIC 631, 632, 642
ORION 632, 607, 639, 640
OSAKI 641, 646, 648
OSO 641
OSUME 648
OTTO VERSAND 631, 632, 607, 642
PALLADIUM 638
PANAMA 646
PANASONIC 631, 607, 608, 642, 622
PATHO CINEMA 642
PAUSA 644
PHILCO 632, 642
PHILIPS 631, 607, 634, 656
PHOENIX 632
PHONOLA 607
PROFEX 642, 644
PROTECH 607, 642, 644, 646, 649
QUELLE 631, 632, 607, 642, 645, 653
R-LINE 607
RADIOLA 607
RADIOSHACK 610, 623, 621, 602
RBM 653
RCA 601, 610, 615, 616, 617, 618, 661, 662, 609
REDIFFUSION 632, 642
REX 631, 646
ROADSTAR 641, 644, 646
SABA 631, 636, 642, 651
SAISHO 639, 644, 646
SALORA 631, 632, 642, 643
SAMBERS 649
SAMSUNG 607, 638, 644, 646
SANYO 635, 645, 648, 621, 614
SBR 607, 634
SCHAUB LORENZ 642
SCHNEIDER 607, 641, 647
SEG 642, 646
SEI 632, 640, 649
SELECO 631, 642
SHARP 602, 619, 627
SIAREM 632, 649
SIEMENS 631
SINUDYNE 632, 639, 640, 649
SKANTIC 643
SOLAVOX 631
SONOKO 607, 644
SONOLOR 631, 635
SONTEC 607
SONY 604
SOUNDWAVE 607
STANDARD 641, 644
STERN 631
SUSUMU 641
SYSLINE 607
TANDY 631, 641, 648
TASHIKO 634
TATUNG 607, 648
TEC 642
TELEAVIA 636
TELEFUNKEN 636, 637, 652
TELETECH 644
TENSAI 640, 641
THOMSON 636, 651, 652, 663
THORN 631, 607, 642, 645, 648
TOMASHI 618
TOSHIBA 605, 602, 626, 621, 653
TOWADA 642
ULTRAVOX 632, 642, 649
UNIVERSUM 631, 607, 638, 642, 645, 646, 654, 655
VESTEL 607
VICTOR 613
VOXSON 631
WALTHAM 643
WATSON 607
WATT RADIO 632, 642, 649
WHITE
WESTINGHOUSE 607
YOKO 607, 642, 646
ZENITH 603, 620
PIONEER 600, 631, 632, 607, 636, 642, 651

Troubleshooting

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest Pioneer authorized service center or your dealer to carry out repair work.

- If the system does not operate normally due to external effects such as static electricity disconnect the plug from the outlet and insert again to return to normal operating conditions.
- For audio-related problems, please also check the settings of the audio playback device. See the operating instructions for the device for detailed information.
- If you cannot use the Dolby Pro Logic II or Sound Retriever functions when listening to a stereo source (such as an audio CD or MP3 tracks) on the Xbox 360, make sure that the digital output setting of the Xbox 360 is set to **Stereo**.

General

Problem	Remedy
The power does not turn on, or switches off suddenly (an error message may be displayed at startup).	• Leave the unit plugged in, wait for one minute, then switch back on. • Make sure there are no loose strands of wire touching the unit. This could cause the system to shut off automatically. • Check that the speakers are connected correctly. • Make sure there is enough space for ventilation around the receiver subwoofer. • Make sure the voltage of the mains power source is correct for the model. • Try reducing the volume level. • If the problem persists, take it to your nearest Pioneer authorized service center or your dealer for servicing.
No sound is output when an input function is selected.	• Make sure the component is connected correctly (see *Connecting auxiliary components* on page 26). • Turn up the volume.
No sound from surround or center speakers.	• Refer to *Channel level setting* on page 24 to check the speaker levels. • Check that you haven't selected the **AUTO**, **STEREO**, or **VIRTUAL** mode (see *Listening in surround sound* on page 18). • Connect the speakers properly (refer to Connecting up).
Can't operate using the remote control.	• Replace the batteries (*Putting the batteries in the remote control* on page 15). • Operate within 7 m, 30° of the remote sensor (*Using the remote control* on page 15). • Remove any obstacles or operate from another position. • Avoid exposing the remote sensor on the front panel to direct light. • For operating the DVD recorder or other Pioneer component connected to the **CONTROL OUT** jack of this receiver subwoofer, make sure that the control cable and coaxial cable or at least one set of analog audio cables are connected. (page 28) • If the receiver subwoofer is connected to a Pioneer plasma display with an SR+ cable, check that the plasma display is switched on. Point the remote control at the plasma display in order to operate the receiver subwoofer. • Check that nothing is mistakenly plugged into the **CONTROL IN** jack.

Tuner

Problem	Remedy
Considerable noise in radio broadcasts.	• Connect the AM antenna (refer to the Connecting up) and adjust the direction and position for best reception. You may also connect an additional internal or external AM antenna (refer to *Connecting external antennas* on page 26). • Fully extend the FM wire antenna, position for best reception, and secure to a wall. You may also connect an outdoor FM antenna (see *Connecting external antennas* on page 26). • Turn off other equipment that may be causing the noise or move it further away.
Auto tuning does not pick up some stations.	• The radio signal is weak. Auto tuning will only detect radio stations with a good signal. For more sensitive tuning, connect an outdoor antenna.

Error Messages

Message	Description
2CH ONLY	• An operation is prohibited because it is only applicable to 2 channel sources, while the current source is a multichannel source.
96K	• An operation is prohibited because the source is 96 kHz digital.
EXIT	• Appears when a menu is automatically exited after a set period of inactivity.
NOISY	• Background noise is too high to complete MCACC setup successfully.
ERR MIC	• An error occurred during MCACC setup because the microphone is not connected or is not connected properly.
ERR SP	• An error occurred during MCACC setup because the speakers are not connected or are not connected properly.
EEP ERROR	• Contact your Pioneer authorized service center or your dealer for servicing.
NO SPTYP	• Try switching the unit off then on again. If the error still appears, please contact a Pioneer authorized service center or your dealer.

Specifications

SX-X360 Audio Multi-channel Receiver Subwoofer

- **Amplifier section**

RMS Power Output:
Front, Center, Surround.....100 W per channel (1 kHz, 10 % T.H.D., 4 Ω)
Subwoofer..... 100 W (100 Hz, 10 % T.H.D., 4 Ω)

- **FM tuner section**

Frequency range.....87.5 MHz to 108 MHz
Antenna..... 75 Ω, unbalanced

- **AM tuner section**

Frequency range.....531 kHz to 1602 kHz
Antenna..... Loop antenna

- **Subwoofer section**

Enclosure..... Bass-reflex floor type
System.....16 cm 1-way system
Speaker .....16 cm cone type
Nominal impedance.....4 Ω
Frequency range ..... 25 Hz to 1.0 kHz
Maximum Input Power .....100 W

- **Miscellaneous**

Power requirements.....AC 220 V to 240 V, 50Hz / 60 Hz
Power consumption.....50 W
Power consumption in standby .....0.3 W
Dimensions..... 200 mm (W) x 375 mm (H) x 445 mm (D)
Weight .....9.0 kg

- **Accessories**

Remote control.....1
Display unit 1
AA/LR6 alkaline batteries 2
Optical cable.....1
Display cable 1
Stand for display.....2
AM loop antenna.....1
FM wire antenna 1
Microphone (for Auto MCACC setup) 1
Power cord.....1
Warranty card 1
These operating instructions

S-X360 Speaker system

(Front speakers x2, surround speakers x2, center speaker x1)

- **Front speakers**

Enclosure..... Closed-box bookshelf type (magnetically shielded)
System.....7.7 cm 1-way system
Speakers .....7.7 cm cone type
Nominal impedance .....4 Ω
Frequency range .....75 Hz to 20 kHz
Maximum input power..... 100 W
Dimensions..... 105 mm (W) x 118 mm (H) x 114 mm (D)
Weight.....0.6 kg

- **Center speaker**

Enclosure..... Closed-box bookshelf type (magnetically shielded)
System.....7.7 cm 1-way system
Speakers .....7.7 cm cone type
Nominal impedance .....4 Ω
Frequency range .....75 Hz to 20 kHz
Maximum input power..... 100 W
Dimensions..... 270 mm (W) x 90 mm (H) x 100 mm (D)
Weight.....0.8 kg

- **Surround speakers**

Enclosure..... Closed-box bookshelf type (magnetically shielded)
System.....7.7 cm 1-way system
Speakers .....7.7 cm cone type
Nominal impedance .....4 Ω
Frequency range .....100 Hz to 20 kHz
Maximum input power..... 100 W
Dimensions..... 105 mm (W) x 118 mm (H) x 114 mm (D)
Weight.....0.6 kg

- **Accessories**

Speaker Cables.....5
Non-skid pads (small) 12
Non-skid pads (large).....4
Mounting brackets.....4
Screws (for mounting brackets) 4

Note

- Specifications and design subject to possible modification without notice, due to improvements.

Published by Pioneer Corporation.
Copyright © 2006 Pioneer Corporation.
All rights reserved.

PIONEER CORPORATION
4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153-8654, Japan
PIONEER ELECTRONICS (USA) INC.
P.O. BOX 1540, Long Beach, California 90810-1540, U.S.A. TEL: (800) 421-1404
PIONEER ELECTRONICS OF CANADA, INC.
300 Allstate Parkway, Markham, Ontario L3R OP2, Canada TEL: 1-877-283-5901
PIONEER EUROPE NV
Haven 1087, Keetberglaan 1, B-9120 Melsele, Belgium TEL: 03/570.05.11
PIONEER ELECTRONICS ASIACENTRE PTE. LTD.
253 Alexandra Road, #04-01, Singapore 159936 TEL: 65-6472-7555
PIONEER ELECTRONICS AUSTRALIA PTY. LTD.
178-184 Boundary Road, Braeside, Victoria 3195, Australia, TEL: (03) 9586-6300
PIONEER ELECTRONICS DE MEXICO S.A. DE C.V.
Blvd.Manuel Avila Camacho 138 10 piso Col.Lomas de Chapultepec, Mexico,D.F. 11000 TEL: 55-9178-4270

K002_A_En

<06C00001> <ARB7364-A>